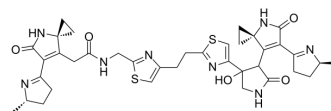


Colibactin 742

Cat. No.:	HY-139621
CAS No.:	2916559-62-9
Molecular Formula:	C ₃₇ H ₄₂ N ₈ O ₅ S ₂
Molecular Weight:	742.91
Target:	DNA Alkylator/Crosslinker
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Colibactin 742, a stable colibactin derivative, induces DNA interstrand-cross-links, activation of the Fanconi Anemia DNA repair pathway, and G2/M arrest.

REFERENCES

[1]. Wernke KM, et al. Probing Microbiome Genotoxicity: A Stable Colibactin Provides Insight into Structure-Activity Relationships and Facilitates Mechanism of Action Studies. *J Am Chem Soc.* 2021 Sep 29;143(38):15824-15833.

Caution: Product has not been fully validated for medical applications. For research use only.

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